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2006 JUL 14  
APG REC'D PGT/PTO 14 JUL 2006

Docket No.: Y0647.0161  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Takafumi Koshinaka

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: TEXT-PROCESSING METHOD,  
PROGRAM, PROGRAM RECORDING  
MEDIUM, AND DEVICE THEREOF

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**Timing of Filing of the Information Disclosure Statement:**

- ☒ This IDS is being filed before the First Office Action<sup>1</sup>.
- ☐ This IDS is being filed after the issuance of the First Office Action but before the issuance of a Final Office Action<sup>2</sup>.

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<sup>1</sup> The IDS should, where possible, include a certification under 37 C.F.R. §1.97(e).

- ☐ This IDS is being filed after the issuance of a Final Office Action, Ex Parte Quayle Action or Notice of Allowance but before the payment of the Issue Fee<sup>3</sup>.

**Certifications:**

If checked, the undersigned makes the following statement(s):

- ☐ Statement under 37 CFR § 1.97(e):

Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; or

No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

- ☐ Statement Under 37 C.F.R. § 1.704(d):

Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application less than thirty days prior to the filing of this information disclosure statement.

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<sup>2</sup> The IDS *must* include *either* a certification under 37 C.F.R. §1.97(e) *or* the fee set forth in 37 C.F.R. §1.17(p).

<sup>3</sup> The IDS *must* include *both* a certification under 37 C.F.R. §1.97(e) *and* the fee set forth in 37 C.F.R. §1.17(p).

**Fee Required by 37 C.F.R. § 1.97(c)(2) or 1.97(d)(2):**

☐ If checked, the fee of \$180.00 set forth in 37 C.F.R. §1.17(p) is attached.

**Copies of Information:**

In accordance with 37 C.F.R. §1.98(a), the following are enclosed:

- ☒ A legible copy<sup>4</sup> of each document (or relevant portion thereof) cited in the attached PTO/SB/08, except for U.S. patent and U.S. published applications.
- ☒ With respect to any information which is not in English, a concise explanation of the relevance, as it is presently understood by the individual designated in § 1.56(c) most knowledgeable about the content of the information, is attached.

This concise explanation is provided by way of:

- ☐ A translation of the relevant portions of the non-English language information<sup>5</sup>;
- ☐ A statement explaining the relevant portions of the non-English language information;
- ☐ A copy [and, where not in the English language, a translation] of at least the relevant portion(s)<sup>6</sup> of the communication from a foreign patent

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<sup>4</sup> A legible copy of the document is not required if (1) the information was previously cited by, or submitted to, the Office and considered by the Office in a prior U.S. application to which this application claims priority, provided that the prior application is properly identified in this IDS, and (2) the IDS submitted in the earlier application complies with 37 C.F.R. § 1.98(a) – (c). This exception does not apply to information cited in an International Application.

<sup>5</sup> 37 C.F.R. §1.98(a)(3)(ii) *requires* that an English language translation be provided when a translation of the document, or portion thereof, “is within the possession, custody or control of, or is readily available to any individual designated in 37 C.F.R. § 1.56(c).”

<sup>6</sup> The relevant portion is that portion which indicates the degree of relevance found by the foreign patent office. This may be an explanation of which portion of the of the reference is particularly relevant, to which claims it applies, or merely an “X”, “Y”, or “A” indication on a search report. MPEP §609 III A(3).

office in a counterpart foreign application in which the information was cited; or

☒ This information is contained in the specification of the present application.

☐ In accordance with 37 C.F.R. 1.98(d), copies of the cited documents are not enclosed as they were provided in application Serial No. \_\_\_\_\_, filed \_\_\_\_\_, which the present application relies upon for an earlier effective filing date under 35 U.S.C. 120.

**Materiality:**

Whether or not the information and references disclosed in this Information Disclosure Statement is “material” pursuant to 37 CFR 1.56, this submission is not intended to constitute an admission that any patent, publication or other information referred to therein is “prior art” for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

10/586317  
14 JUL 2006

Application No.: Not Yet Assigned

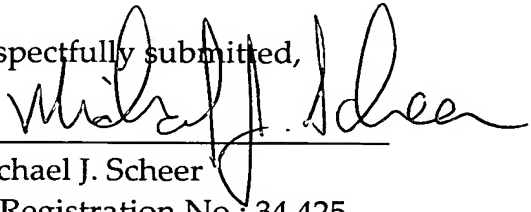
Docket No.: Y0647.0161

In the event the actual fee is inadvertently not enclosed or if any additional fee during the prosecution of this application is not paid, the Patent Office is authorized to charge the underpayment to Deposit Account No. 50-2215.

Dated: July 14, 2006

Respectfully submitted,

By

  
Michael J. Scheer

Registration No.: 34,425

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Substitute for form 1449A&B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	
				Art Unit	
				Taka-fumi Koshinaka	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	

U.S.PATENT DOCUMENT					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> <i>(if known)</i>		
		US			
		US			

FOREIGN PATENT DOCUMENT							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Tranlation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup> <i>(if known)</i>			

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		Bessho, "Text Segmentation Using Word Conceptual Vectors", Transactions of Information Processing Society of Japan, November 2001, Vol. 42, No. 11, pp. 2650 – 2662	Abstract
		Amaral et al., "Topic Detection in Read Documents", Proceedings of 4 <sup>th</sup> European Conference on Research and Advanced Technology for Digital Libraries, 2000	
		Yamron et al., "Hidden Markov Model Approach to Text Segmentation and Event Tracking", Proceedings of International Conference on Acoustic, Speech and Signal Processing 98, Vol., 1, pp. 333 – 336	
		Rabiner et al., "Foundation of Sound Recognition (2 <sup>nd</sup> volume)", NTT Advanced Technology Corporation, November 1995, pp. 129 – 134	Abstract
		Te Sun Han et al., "Applied Mathematics II of the Iwanami Lecture, mathematic of Information and Coding", Iwanami Shoten, December 1994	Abstract
		Rabiner et al., "Foundation of Sound Recognition (2 <sup>nd</sup> volume)", NTT Advanced Thnology Corporation, November 1995, pp. 166-169	Abstract
		Rabiner et al., "Foundation of Sound Recognition (2 <sup>nd</sup> volume)", NTT Advanced Technology Corporation, November 1995, pp. 280-281	Abstract
		Ueda, "Bayes Leaning [III] – Foundation of Variational Bayes Learning", THE TRANSACTION OF THE INSTITUTE OF ELECTRONICS, INFORAMTION AND COMMUNICATION ENGINEERS, July 2002, Vol. 85, No. 7, pp. 504 – 509	Abstract

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP901.04 or in the comment box of this document. <sup>3</sup>Enter office that issued the document, by the two-letter code (WIPO Standard ST.3) <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.